

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** November 4, 2004

**Inspector:** Diana Walden

**Location:** Norwalk Substation Expansion

**Storm/  
Rain Event** The area received between 0.75-0.95" of rain on the day of and following the inspection and only traces prior to that.

Areas of Inspection	Observation	Recommended Action
Access Roads	<p>-New Canaan Avenue is still free of tracked sediment from the Norwalk site. 11/04/04</p> <p>- The area between the retaining walls #2 and3 is serving as an access area and crushed/process stone was placed there to serve as a driving surface.11/04/04</p>	<p>- None at this time. Continue to monitor. 11/04/04</p> <p>- None at this time. 11/04/04</p>
Foundation construction	<p>- Minor excavation for a service conduit continued inside the charged yard. Some areas had been encased in concrete. 11/04/04</p>	<p>- None at this time. Areas remain well contained 11/04/04</p>
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<p>- The silt fence can be removed from the river side of the overflow channel where vegetative cover is sufficient. However, it should remain at the ends of the overflow channel where vegetative has not fully established. 11/04/04</p>	<p>- Continue to be proactive in silt fence repair and maintenance where needed. Fence can be removed from areas with sufficient cover.</p>

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	- One spot of fence near wall #5 could use reinforcement or repair as it is under strain from sedimentation 9/23-11/04/04	- Fence should be reinforced in this location before winter if practicable. It does not pose much of a problem if the area is hydroseeded as proposed. 11/04/04
	-The areas around the recent landscaping and the overflow channel will be hydroseeded in the near future in an attempt to stabilize the area. This includes all the soil along the top and sides of the channel. 11/04/04 - Some small erosive gullies were noted in the soil along the channel. 11/04/04	- Best efforts should be made to get as much vegetative cover as possible at this time of year. The hydroseeding should be a good solution as a tackifier and mulch is included in the mix. 11/04/04
	- The recent plantings have been flagged for any possible damage from browsing or potential mortality. 11/04/04 - New plantings are being placed up at the perimeter fence near the Rt 7 ramp.	- None at this time. All areas where planting is occurring are well contained. 11/04/04
	- The topsoil stockpile remains well contained along the retaining wall and portions have been used on site. 9/23-11/04/04	- The pile will continue to be used where necessary in areas to be grassed in the future. 6/30-11/04/04
	-Some slight scour has occurred at the base of the silt fence where the topsoil had washed away and exposed the cobbles near the southern end of retaining wall #5. 10/07-11/04/04	- Placing additional cobbles here at the base of slope may help reduce undercuts to the slope. This problem is not at all serious but could be investigated to keep any future slope undercuts from occurring. 10/07-11/04/04
Inland Wetland and Watercourse encroachment and mitigation	- The areas surrounding the overflow channel and any bare soil along the slopes will be hydroseeded in the near future. This should serve as a sufficient stabilizer for winter. 11/04/04	-Silt fence could be removed from areas with sufficient cover. Continue to monitor areas with little vegetative cover. 11/04/04

Areas of Inspection	Observation	Recommended Action
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-The River birch ( <i>Betula nigra</i> ) plantings had been visibly browsed by deer but still appeared fairly healthy. Some plantings were flagged for damage to see how they survive the winter. 11/04/04	- The plantings will be evaluated for any permanent damage in the spring and hydroseed will be placed as ground cover here. 11/04/04
Dewatering	- Dewatering activities are complete at this time.	-No actions required at this time.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills	<ul style="list-style-type: none"> <li>- There were no spills reported during the week.</li> <li>- The generator noted in previous weeks has been moved from up near the ramp towards the center of the site. There were no signs of any leaks at this time and the equipment has a shallow basin built in below it to catch any drips. This is also run on vegetable based oil. 11/04/04</li> </ul>	<ul style="list-style-type: none"> <li>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area</li> <li>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</li> <li>- Report spills to the office immediately, even if they are being controlled.</li> </ul>
Additional Observations	<ul style="list-style-type: none"> <li>- As previously noted, new road work, has been identified on the bridge on Broad Street to the north. 9/10-11/04/04</li> <li>- The island or bank on which the bridge footing was located is mostly bare of vegetation.</li> </ul>	- The work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential off-site sedimentation source. 9/10-11/04/04

**Next likely scheduled inspection:**

Thursday November 11, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:** Diana Walden

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**Date:** November 4, 2004

**Inspector:** Diana Walden

**Location:** Plumtree Substation Expansion , Bethel

**Storm/  
Rain Event** The area received between 0.75-0.95" of rain on the day of and following the inspection and only traces prior to that.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 11/04/04	- None at this time. 11/04/04
Foundation construction	<p>-The major work now consists of placing equipment on the recently constructed slab. This involves almost no soil disturbance. 11/04/04</p> <p>- All excavations for footings are basically completed and backfilled. Work is ongoing on the structures. 11/04/04</p> <p>- Remaining excavate is being combined into stockpiles for backfill and covered. Any</p>	- The areas are still well contained at this time. Little future ground disturbance/civil work is proposed. 10/21-11/04/04

Areas of Inspection	Observation	Recommended Action
	unnecessary soil will be hauled offsite 11/04/04	
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The site did not show any evidence of any runoff or soil migration from the site. 11/04/04	- None at this time 11/04/04
Erosion and Sediment Controls continued	- There is no silt fence in place at this time, however any stockpiles are covered in plastic following the end of each work day. 9/16-11/04/04	-All areas are well-contained and there is no sedimentation near any off site areas. 11/04/04
	- The stone perimeter berm is well in place and contains the yard. It effectively prevents any turbid water from leaving the site. 11/04/04	- The berm is working well at this time. Continue to monitor for any trouble spots. 11/04/04
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. Work is fairly close to the perimeter fence but there is no noted sedimentation to the wetland area. 9/10-11/04/04	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 9/23-11/04/04
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Dewatering on site is not occurring or necessary at this time. It will resume if rains cause it to become necessary 10/29-11/04/04	- None at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.

Areas of Inspection	Observation	Recommended Action
Spills	- There were no spills reported during the week or noted on site during the inspection. There are few pieces of machinery on site at this time. 11/04/04	<ul style="list-style-type: none"> <li>- The contractors should remain vigilant about securing and handling fuel containers.</li> <li>- Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</li> <li>- Report spills to the office immediately, even if they are being controlled.</li> </ul>
Additional Observations		

**Next likely scheduled inspection:**

Thursday November 11 , 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden



View of retaining wall 3. Although small stockpiles remain, the area is contained. 11/04/04



View of the overflow channel with the recent plantings. Some minor erosive gullies were noted in a few locations along the top of the channel. The area will be hydroseeded in an attempt to stabilize for winter. 11/04/04





View of the area up near the Route 7 ramp where landscaping is occurring near the perimeter fence to the yard. 11/04/04



A small excavation for a service conduit is taking place within the internal charged yard. All areas are contained. 11/04/04





Plumtree Substation: All major work at Plumtree now consists of setting up equipment on the concrete slab. 11/04/04



All other excavations for footings and structures in the yard are basically completed and backfilled. 11/04/04